



Funded by the
Erasmus+ Programme
of the European Union



Osijek
Gheorgheni
Lodz
Rio Tinto
Bursa

OUR
JOURNEY

Project NO. 2020-1-R001-KA229-079965



Science is All Around Us



1st Learning Teaching Training Activity

Bursa, September 25th to October 2nd, 2021



Ahmet Hamdi Gokbayrak Fen Lisesi Mudurlugu School



Welcome Ceremony.

Meeting with local authorities;
Presentation of countries, schools,
education systems.



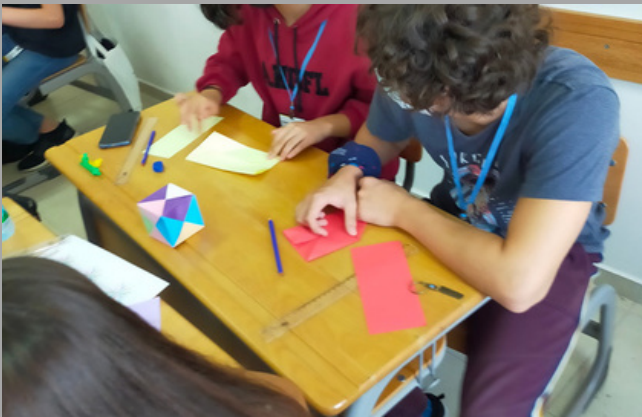
Cultural moment - traditional Turkish songs, performed instrumentally and vocally
by students and teachers.



Presentation of Turkish cuisine

Bursa city tour





Maths lessons.

Geometry, with interactive and hands-on activities.



In a century-old typical restaurant, Iskender, where we enjoyed kebab with natural yogurt.





Kozahan Bazaar, a place where there are craft stores and cafes, where we drink the typical Turkish tea.

Visit to the Ulu Mosque





The Panorama 1326 Museum in Bursa. It represents the historical conquest of Bursa by the Ottoman Empire in 1326 and shows the lifestyle, culture and traditions of that time.





Iznik is a town in Turkey that is known for its rich history and cultural heritage. UNESCO World Heritage City



The ancient city of Iznik was the site of the First and Second Councils of Nicaea, held in 325 AD and 787 AD respectively.



Outdoor math activities using the sun for algebraic calculations.



A visit to Bursa Science and
Technology Centre
A visit to GUHEM





Bursa Science and Technology Center is where science turns into practice with experiments.



Lunch in Cumalıkızık, a very old city in Turkey and also a UNESCO World Heritage Site.



Observation of a religious ritual, the ceremony of the whirling dervishes, called the Sema, which has taken place since the death of the Sufi mystic Mevlâna Celaledin Rumi in 1273.



Evaluation and presentations on the activities that took place during the week.

Farewell dinner

Awarding of
certificates



The Romania team



The Polish team



Awarding of certificates



The Croatia team



The Portugal team



2nd Learning Teaching Training Activity

Rio Tinto, February 21st to 25th, 2022



Escola Básica 2,3 de Rio Tinto



Welcome Ceremony.

Meeting with local authorities; Presentation of countries, schools, education systems.





Visit to CINDOR, the only vocational training center specifically instituted for the goldsmithing, jewelery and watchmaking sector where we had the opportunity to learn and try some ancestral techniques such as chiseling and filigree stamping.





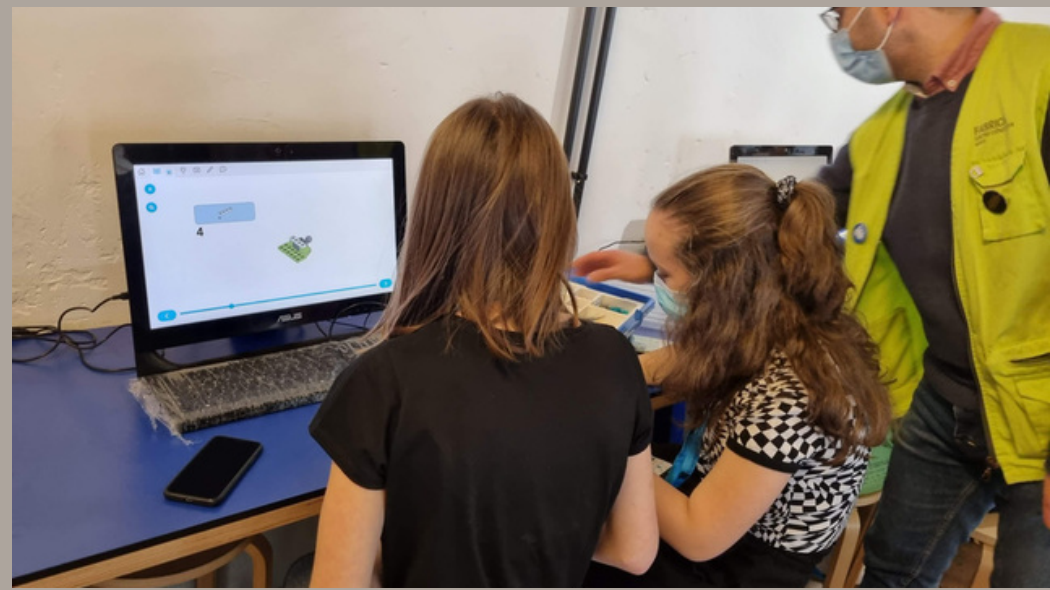
Casa Branca de Gramido with the Douro River as a backdrop, integrated in the Filigree Route. In this space was visualized an exhibition that boasts the estate of Goldsmiths of Gondomar.



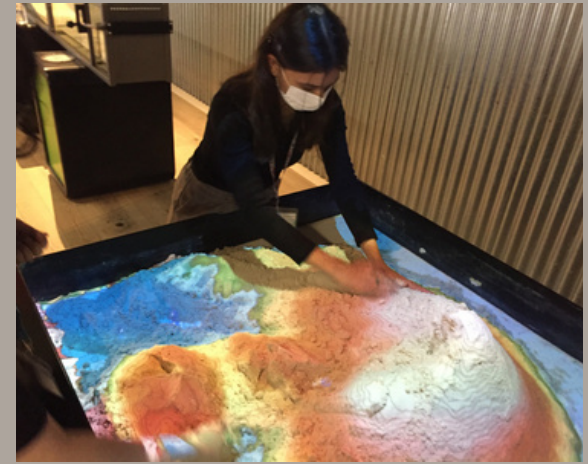
City of Aveiro, the "Venice of Portugal". The discovery of the city began with a ride on a traditional "Moliceiro Boat" down the ria to the beginning of the salt pans area. This was followed by a visit to the city center that culminated with a picnic and the tasting of a typical regional sweet, "Ovos Moles".



Visit to the Aveiro Ciência Viva Center Factory

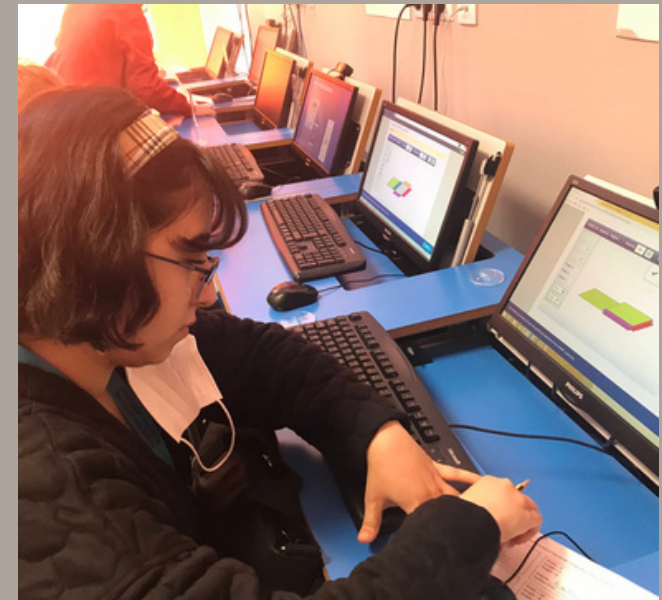
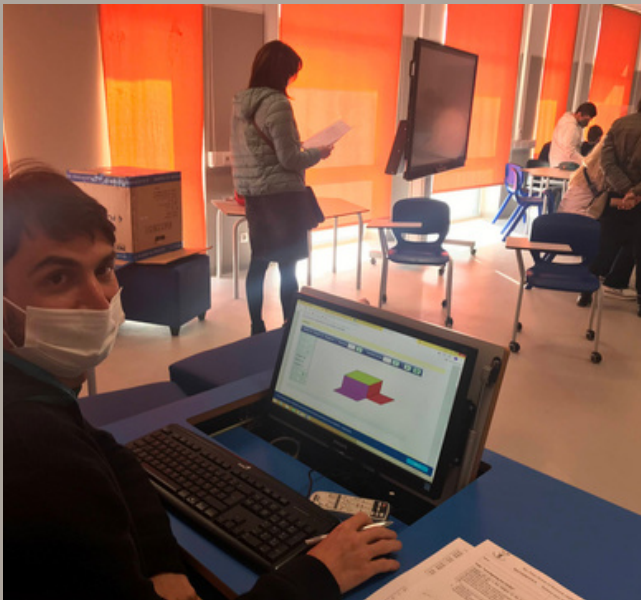


Workshop "Look at the robot!!!". We build efficient robots, learning the basic principles of programming and coding with Lego pieces and inspired by real-world science projects.

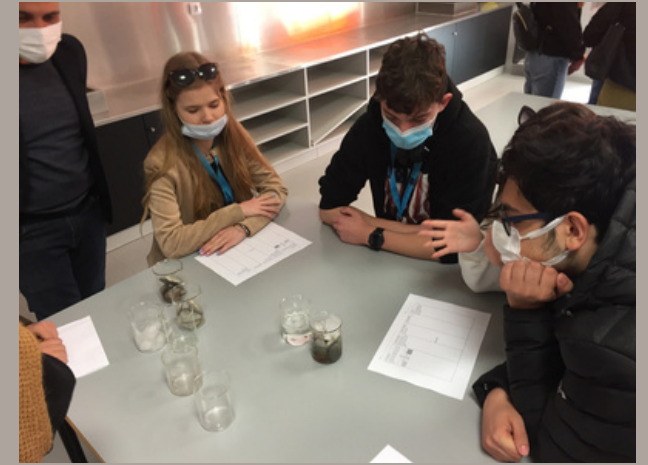


Workshop "Hands on" interactive exhibition involving various areas of science such as physics, chemistry, mathematics.

-Exhibition "What if Mendeleev were here?" in which the importance of the evolution and history of science, associated with the construction of the Periodic Table, for society and everything around us is highlighted.



Math classes, one dedicated to geometry, using an applet in the computer room. Another on the Pythagorean Theorem on the communication, collaboration and learning platform "graasp.eu".



Experimental activity in the field of physical chemistry on climate change in the School laboratory.



Visit to the Botanical Garden, the Andresen House which includes a historic garden with tall hedges of camellias; the Garden of Cacti and Succulents and the spaces of centenary trees and various rare and/or exotic species.



Workshop "A drop of life: the quality of water". Laboratory activity on identifying water properties and water quality.



Visit the Biodiversity Gallery - Living Science Center, a space that results from a cross between art, biology and natural history.



Workshop "Plastic oceans and the history of microplastics". Visualization of videos and an interactive activity "Searching for microbeads" present in personal care products and make-up using the "Beat the Microbead" app using cell phones.



Tour the Historic Center of the city of Porto, UNESCO World Heritage Site



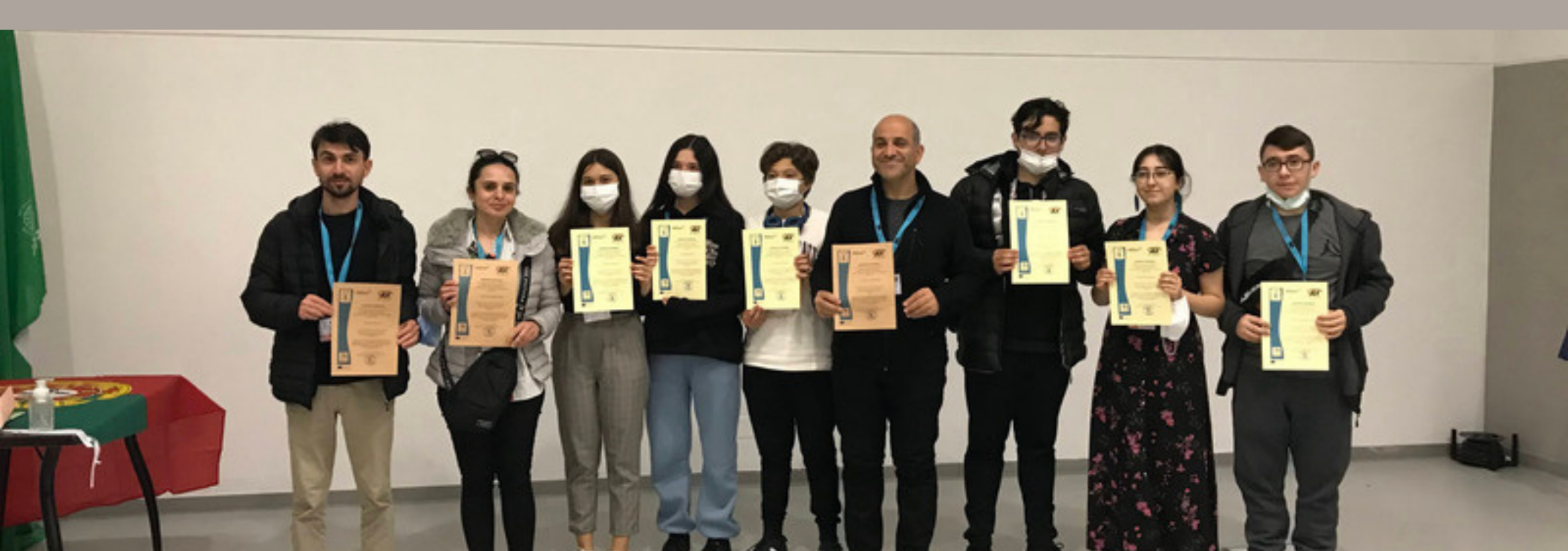
Boat trip along the Douro River on a route of the Five Bridges.



Evaluation of the week's activities by teachers and students.



Lunch under the theme "Affections", with a sample of typical sweets from the partner countries.



Awarding of certificates



Closing the week with a group photo.

3rd Learning Teaching Training Activity

Lodz, April 8th to 12th, 2022



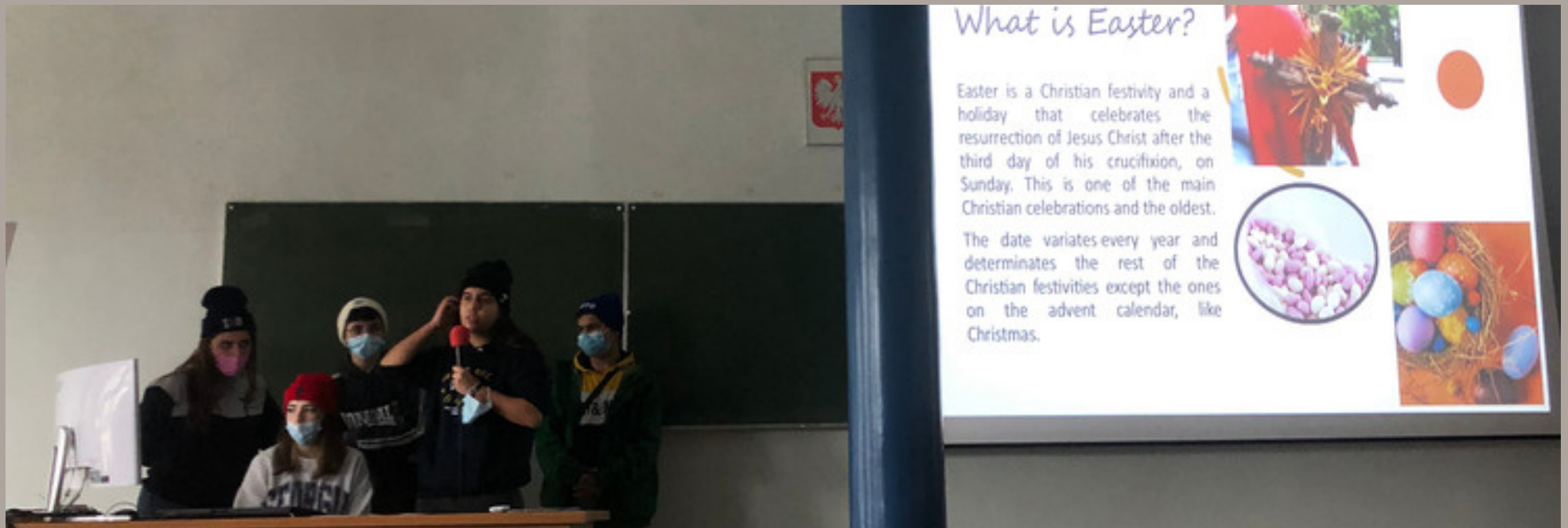
Technikum Informatyki Edukacji Innowacyjnej



Technikum Informatyki Edukacji Innowacyjnej



Welcome ceremony



Students presentations about Easter and other Religious Holidays in our countries



Gaming and learning activities.



Creave expressions – Art Lesson



Piotrkowska Street tour and dinner



**Trip to Warsaw.
Visit the Royal Castle. Visit the Old Town Square and streets and Palace of Culture and Science – Viewing Terrace**



Visit the Royal Castl of Warsaw.



The Cosmos Discovery Space Exhibition

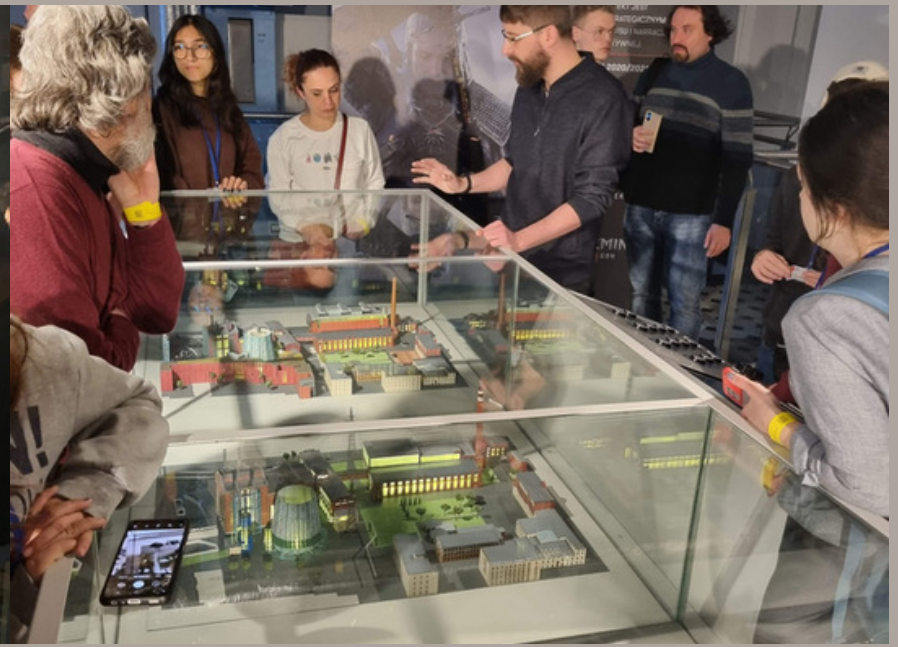
The Cosmo Discovery exhibition maps (more than 200 original objects, replicas, models and documents) the development of spaceflight, offering us an insight into the past, present and future of space exploration. All galleries show period videos to illustrate the historical atmosphere. It also includes the interactive CosmoZone with gyroscope experience and 3D technology.



Visit to EC1 (Science Centre) - City of Culture. This Science and Technology Centre includes historical facilities of the Lodz Power Plant: engine square, pump room, boiler room, switch room, cold store, water softening room.



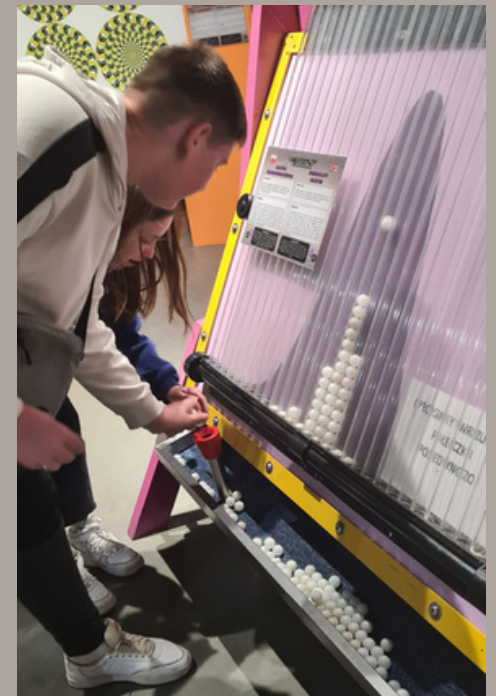
The EC1 (Science Centre) - City of Culture has historical exhibits, modern simulators, computer games, which allow you to learn about the principles of nature, laws of science, inventions related to still used electricity production technologies.



At EC1 (Science Centre) multimedia elements of the exhibition amaze by making it possible to get to know reality through touch, play and experiments.



Exerimentarium at Manufaktura Complex. Here, in a fun way, he explains often complex questions from various fields of science that through devices and interactive stations become simpler, namely in the field of magnetism, electricity, dynamics, optics, mechanics, acoustics and sound, logic, biology or chemistry.



Exerymentarium at Manufaktura Complex.



Exerimentarium at Manufaktura Complex.



The Księży Młyn residential-factory complex on the Jasień River, built in the 19th century. It was a self-sufficient city at the time. A geography lesson was held - an orientation and localisation game, with the aim of learning map symbology, developing a sense of orientation, learning the cardinal points, among others



Visit the Museum of the City of Łódź - The Palace of Israel Poznanski,



Evaluation activities and realisation of student presentations on mobility in Lodz.



Closing ceremony – we will rock you!



Farewell dinner



Awarding of certificates



4th Learning Teaching Training Activity

Gheorgheni, 2 to 7 October 2022.

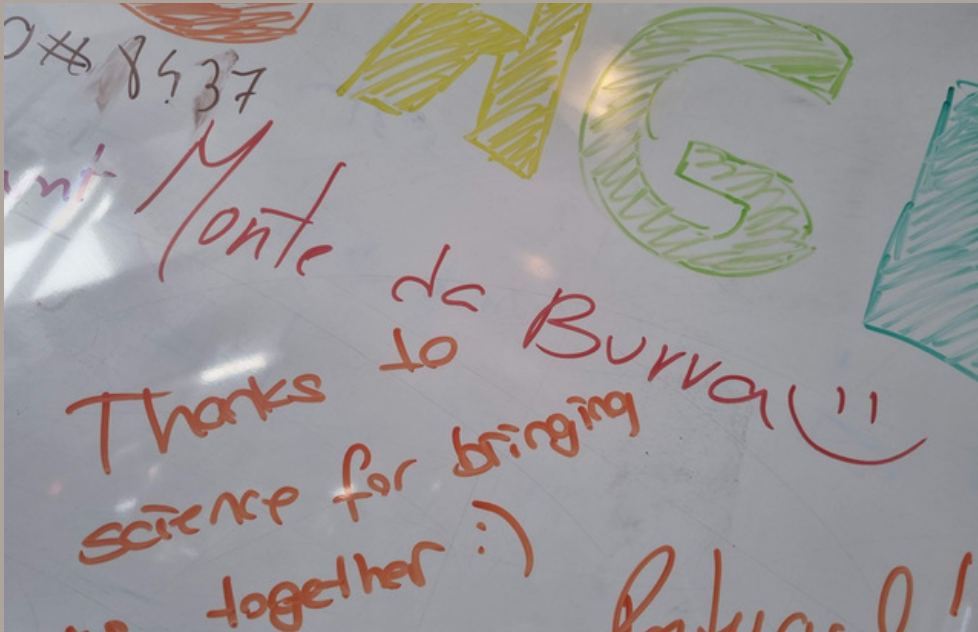


Liceul Teoretic Sfântu Nicolae





Welcome ceremony.
Meeting with local
authorities, presentation
of countries, with
Romanian songs and
dances



Icebreaking games.
Sharing sweets and savouries from the five countries involved in the project.



Two lessons on innovative teaching methods led by teachers from Croatia (maths activity) and Turkey (English activity).



Teambuilding activity. Joint preparation of a traditional local meal (goulash), horse riding.



Teambuilding activity.
Outdoor games.



Preparation of a typical meat dish, Goulash, which would become dinner.



Dynamisation of a lesson using innovative teaching methods hosted by teachers from Romania in the field of physics and chemistry and music.



A maths lesson using innovative teaching methods hosted by teachers from Portugal.



Trip to Praid, to visit a salt mine - the Salina Praid.



Visit to Bran Castle. Located in Transylvania, popularly known as Dracula's Castle, it is a scene of legends as well as being the most popular fortress in Romania.

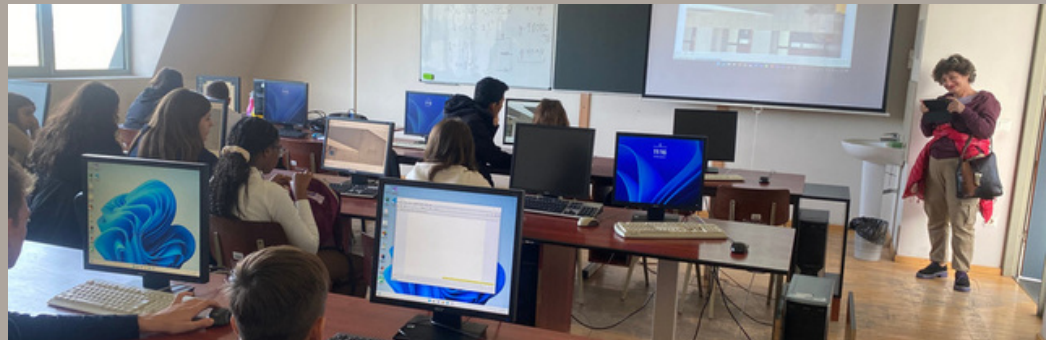




Visit the Brasov Science Museum, where interactive exhibits help us to easily understand complex physical and chemical phenomena.



Sapientia University-
Tirgu Mures. Physics and
Chemistry workshops.





Tirgu Mures University where we attended a lecture on “AlgoRythmics- from dance to code”, a digital platform that combines science and art, physics and genetics.



Group photo at Tirgu Mures University.



Visit to Tirgu Mures Zoo where the different areas and animal species were explored through a peddy paper.



PE/Arts/Maths lessons



PE/Arts/Maths lessons



Farewell party.
Final ceremony.



Farewell party. Final ceremony.



5th Learning Teaching Training Activity

Osijek, 20th to 24th March 2023.



Elementary School Višnjevac



Welcome ceremony



Meeting with local authorities. Video „Memories“.
Sharing sweets and savouries from the five countries involved in the project.



Presentation of the teams.



Coordinators and teachers of the project teams.



School tour for teachers with pedagogical advisor



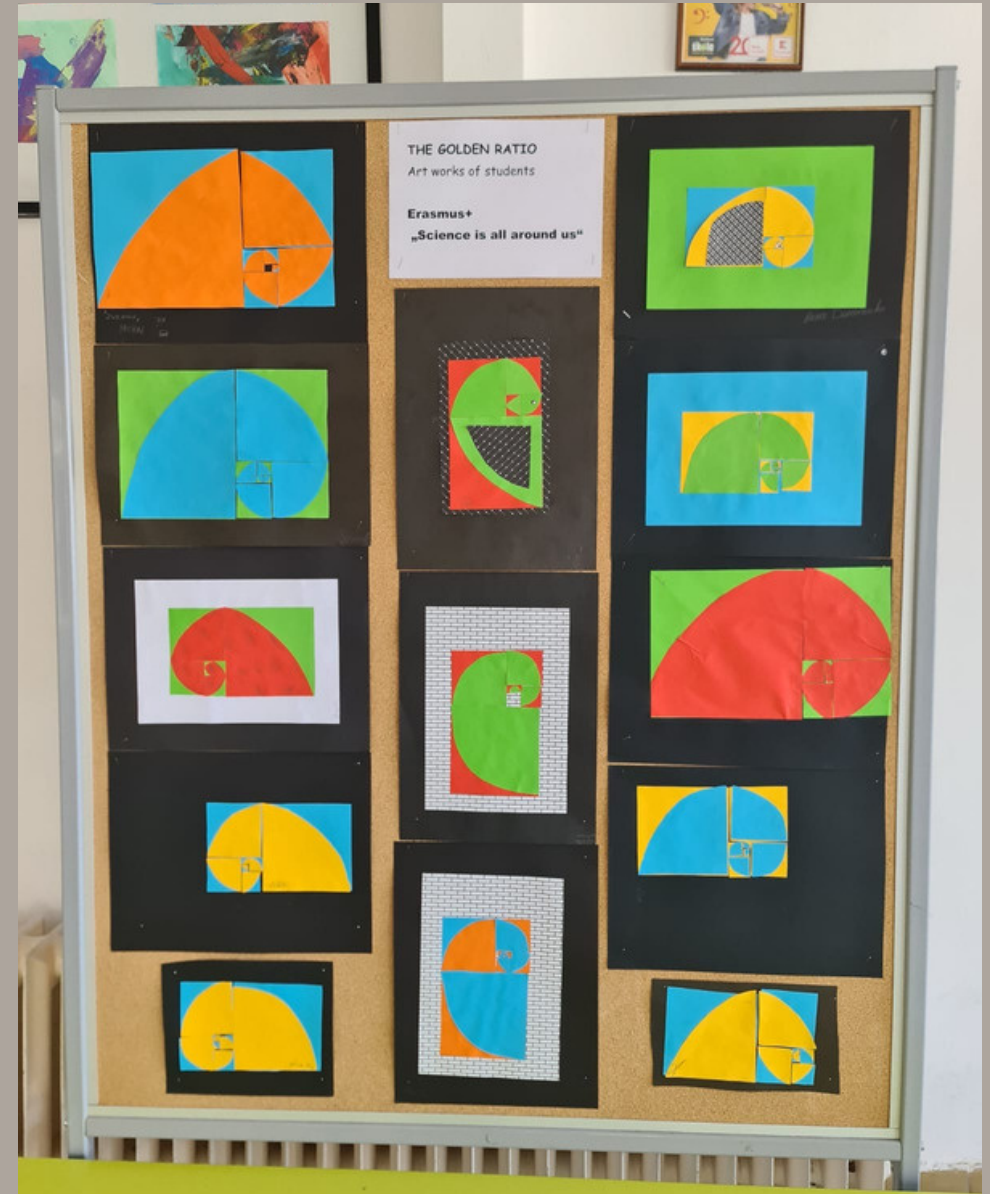
Ice-breaking activity and games for students



Workshops and lessons for students of Biology and Physical Education. Activities on "Bones and the consequences of mobile phone exposure" were explored.



Maths and Arts classes and workshops, where we worked on the mathematical ratio - the Golden Ratio or Golden Number, widely used in architecture, arts and graphic design.



Exhibition of the work carried out.



Discover the city activity - take a photo!



Discover the city activity - take a photo!



Discover the city activity - take a photo!



Discover the city activity - take a photo!



Trip to Zagreb. Visit to the Technical Museum Nikola Tesla, a museum dedicated to scientific development. Energy Transformation Workshop exhibiting steam engines, internal combustion engines and a collection of machine models.



Technical Museum Nikola Tesla. Walk through a 350 metre model mine displaying the methods used to find ores and minerals.



Technical Museum Nikola Tesla. Visit a permanent exhibition of 20th century means of transport, locomotives and military vehicles.



Nikola Tesla Technical Museum in Zagreb



Lunch in Zagreb “Pivnica Budweiser“



Lunch in Zagreb “Pivnica Budweiser“



Photo of the teams in Zagreb



Workshops and classes for students at the Department of Physics in Osijek



Department of Physics in Osijek.
Experimental activities on the force of friction, a force that opposes the movement of bodies.



Department of Physics in Osijek.
Experimental activities on the force of friction.



Department of Physics
in Osijek.
Experimental activities
on the force of friction.







Walk along the Drava River.



Trip to Voćin and Jankovac

A visit to UNESCO Geopark Papuk. The Park is rich in cold water springs and clear rivers, surrounded by centuries-old beech forests.



Visit to the Geoinfo Centre in Vocin. The wall of evolution preserves the fossils found in Papuk and follows the history of the geological periods of life on earth, from the "first soup" to the appearance of man.

Visualisation of a 6D multisensory film. Through all the senses we experienced a journey through the past of Papuk and the Earth.



Time for team building
– let's connect science
and sound - „Djembe“



Time for team building – let's connect science and dance.



Realisation of the presentations on the week by the students.
Evaluations of the week's activities were also carried out by teachers and students.



Farewell dinner. Award of certificates to teams



Farewell dinner. Award of certificates to teams



"The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein."



Funded by the
Erasmus+ Programme
of the European Union



Osijek

Gheorgheni

Lodz

Bursa

Project NO. 2020-1-
RO01-KA229-079965